## **AMENDMENTS TO THE CLAIMS**

1	1.	(Currently Amended) in a system comprising at least one application and a
2		framework, a method performed by the framework comprising:
3		receiving a request from the application for a customized implementation of a
4		service;
5		determining a set of zero or more restrictions to be imposed upon said customized
6		implementation;
7		dynamically constructing said customized implementation, said customized
8		implementation incorporating said restrictions, and comprising
9		enforcement logic for enforcing said restrictions; and
10		providing said customized implementation to the application;
11		wherein said customized implementation is invocable by the application without
12		further interaction with the framework; and
13		wherein determining the set of zero or more restrictions comprises:
14		accessing information specifying one or more limitations;
15		determining permissions, if any, granted to the application; and
16		reconciling said limitations and said permissions to derive said
17		restrictions.
1	2.	(Canceled)
1	3.	(Original) The method of claim 1, wherein the system further comprises a general
2		implementation for said service, wherein said general implementation is
3		unrestricted, and wherein said customized implementation further incorporates
4		said general implementation.

1	4.	(Original) The method of claim 3, wherein said enforcement logic enforces said
2		restrictions on said general implementation.
1	5.	(Original) The method of claim 1, wherein said enforcement logic is invoked
2		upon initialization of said customized implementation.
1	6.	(Currently Amended) The method of claim 5, wherein said enforcement logic,
2		when invoked:
3		receives a set of desired parameters from the application;
4		determines whether the desired parameters exceed said restrictions; and
5		in response to a determination that the desired parameters exceed said restrictions,
6		preventing prevents said customized implementation from operating.
1	7.	(Currently Amended) The method of claim 5, wherein said service is an
2		encryption/decryption service, and wherein said enforcement logic, when
3		invoked:
4		determines whether a particular exemption mechanism has been invoked; and
5		in response to a determination that the particular exemption mechanism has not
6		been invoked, preventing prevents said customized implementation from
7		operating.
1	8.	(Canceled)
1	9.	(Currently Amended) The method of claim [[8]]1, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of

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one or more default encryption limitations.

1	10.	(Original) The method of claim 9, wherein said default encryption limitations are
2		derived by merging multiple jurisdiction policies and extracting therefrom the
3		most restrictive encryption limitations.
1	11.	(Canceled)
1	12.	(Currently Amended) The method of claim [[11]]1, wherein said limitations and
2		said permissions are reconciled to derive restrictions which are least restrictive.
1	13.	(Currently Amended) The method of claim [[11]]1, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations, and a set of zero or more exempt
4		encryption limitations which apply when one or more exemption mechanisms are
5		implemented.
1	14.	(Original) The method of claim 13, wherein said default encryption limitations
2	-	and said exempt encryption limitations are derived by merging multiple
3		jurisdiction policies and extracting therefrom the most restrictive encryption
4		limitations.
1	15.	(Original) The method of claim 13, wherein reconciling said limitations and said
2		permissions comprises:
3		determining whether the application has been granted any permissions; and
4		in response to a determination that the application has not been granted any
5		permissions, deriving said restrictions from said set of default encryption
6		limitations

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1	16.	(Original) The method of claim 13, wherein reconciling said limitations and said
2		permissions comprises:
3		determining whether the application has been granted any permissions which
4		require implementation of a particular exemption mechanism;
5		in response to a determination that the application has been granted a permission
6		which requires implementation of a particular exemption mechanism,
7		determining whether said exempt encryption limitations allow said
8		particular exemption mechanism to be implemented; and
9		in response to a determination that said exempt encryption limitations allow said
10		particular exemption mechanism to be implemented, deriving said
11		restrictions from said set of exempt encryption limitations.
1	17.	(Original) The method of claim 1, wherein the system further comprises a general
2		implementation for said service, and wherein dynamically constructing said
3		customized implementation comprises:
4		instantiating the general implementation to give rise to a general implementation
5		instance;
6		instantiating a wrapper object; and
7		encapsulating said general implementation instance and said restrictions within
8		said wrapper object to derive said customized implementation.
1	18.	(Original) The method of claim 17, wherein said wrapper object comprises one or
2		more invocable methods, wherein said general implementation instance comprises
3		one or more invocable methods, and wherein encapsulating comprises:
1		mapping one or more of the invocable methods of said wrapper object to one or
2		more of the invocable methods of said general implementation instance.

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1	19.	(Original) The method of claim 18, wherein said wrapper object comprises
2		initialization logic for enforcing said restrictions on said general implementation
3		instance.
1	20.	(Original) The method of claim 19, wherein said initialization logic is invoked
2		prior to allowing any of the invocable methods of said general implementation
3		instance to be invoked.
1	21.	(Original) The method of claim 17, further comprising:
2		instantiating an exemption mechanism to give rise to an exemption mechanism
3		instance; and
4		encapsulating said exemption mechanism instance within said wrapper object.
1	22.	(Currently Amended) In a system comprising at least one application, a
2		framework comprising:
3		a mechanism for receiving a request from the application for a customized
4		implementation of a service;
5		a mechanism for determining a set of zero or more restrictions to be imposed
6		upon said customized implementation;
7		a mechanism for dynamically constructing said customized implementation, said
8		customized implementation incorporating said restrictions, and comprising
9		enforcement logic for enforcing said restrictions; and
10		a mechanism for providing said customized implementation to the application;
11		wherein said customized implementation is invocable by the application without
12		further interaction with the framework; and
13		wherein the mechanism for determining the set of zero or more restrictions
14		comprises:

15		a mechanism for accessing information specifying one or more
16		<u>limitations;</u>
17		a mechanism for determining permissions, if any, granted to the
18		application; and
19		a mechanism for reconciling said limitations and said permissions to
20		derive said restrictions.
1	23.	(Canceled)
1	24.	(Original) The framework of claim 22, wherein the system further comprises a
2		general implementation for said service, wherein said general implementation is
3		unrestricted, and wherein the mechanism for dynamically constructing said
4		customized implementation further incorporates said general implementation
5	,	within said customized implementation.
1	25.	(Original) The framework of claim 24, wherein said enforcement logic enforces
2		said restrictions on said general implementation.
1	26.	(Original) The framework of claim 22, wherein said enforcement logic is invoked
2		upon initialization of said customized implementation.
1	27.	(Currently Amended) The framework of claim 26, wherein said enforcement
2		logic, when invoked:
3		receives a set of desired parameters from the application;
4		determines whether the desired parameters exceed said restrictions; and
5		in response to a determination that the desired parameters exceed said restrictions,
6		preventing prevents said customized implementation from operating.

1	28.	(Currently Amended) The framework of claim 26, wherein said service is an
2		encryption/decryption service, and wherein said enforcement logic, when
3		invoked:
4		determines whether a particular exemption mechanism has been invoked; and
5		in response to a determination that the particular exemption mechanism has not
6		been invoked, preventing prevents said customized implementation from
7		operating.
1	29.	(Canceled)
1	30.	(Currently Amended) The framework of claim [[29]]22, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations.
1	31.	(Original) The framework of claim 30, wherein said default encryption limitations
2		are derived by merging multiple jurisdiction policies and extracting therefrom the
3		most restrictive encryption limitations.
1	32.	(Canceled)
1	33.	(Currently Amended) The framework of claim [[32]]22, wherein said limitations
2		and said permissions are reconciled to derive restrictions which are least
3		restrictive.
1	34.	(Currently Amended) The framework of claim [[32]]22, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations, and a set of zero or more exempt

4		encryption limitations which apply when one or more exemption mechanisms are
5		implemented.
1	35.	(Original) The framework of claim 34, wherein said default encryption limitations
2		and said exempt encryption limitations are derived by merging multiple
3		jurisdiction policies and extracting therefrom the most restrictive encryption
4		limitations.
1	36.	(Original) The framework of claim 34, wherein the mechanism for reconciling
2		said limitations and said permissions comprises:
3		a mechanism for determining whether the application has been granted any
4		permissions; and
5		a mechanism for deriving, in response to a determination that the application has
6		not been granted any permissions, said restrictions from said set of default
7		encryption limitations.
1	37.	(Original) The framework of claim 34, wherein the mechanism for reconciling
2		said limitations and said permissions comprises:
3		a mechanism for determining whether the application has been granted any
4		permissions which require implementation of a particular exemption
5		mechanism;
6		a mechanism for determining, in response to a determination that the application
7		has been granted a permission which requires implementation of a
8		particular exemption mechanism, whether said exempt encryption
9		limitations allow said particular exemption mechanism to be implemented;
0		and

11		a mechanism for deriving, in response to a determination that said exempt
12		encryption limitations allow said particular exemption mechanism to be
13		implemented, said restrictions from said set of exempt encryption
14		limitations.
1	38.	(Original) The framework of claim 22, wherein the system further comprises a
2		general implementation for said service, and wherein the mechanism for
3		dynamically constructing said customized implementation comprises:
4		a mechanism for instantiating the general implementation to give rise to a general
5		implementation instance;
6		a mechanism for instantiating a wrapper object; and
7		a mechanism for encapsulating said general implementation instance and said
8		restrictions within said wrapper object to derive said customized
9		implementation.
1	39.	(Original) The framework of claim 38, wherein said wrapper object comprises
2		one or more invocable methods, wherein said general implementation instance
3		comprises one or more invocable methods, and wherein the mechanism for
4		encapsulating comprises:
5		a mechanism for mapping one or more of the invocable methods of said wrapper
6		object to one or more of the invocable methods of said general
7		implementation instance.
1	40.	(Original) The framework of claim 39, wherein said wrapper object comprises
2		initialization logic for enforcing said restrictions on said general implementation
3		instance.

1	41.	(Original) The framework of claim 40, wherein said initialization logic is invoked
2		prior to allowing any of the invocable methods of said general implementation
3		instance to be invoked.
1	42.	(Original) The framework of claim 38, further comprising:
2		a mechanism for instantiating an exemption mechanism to give rise to an
3		exemption mechanism instance; and
4		a mechanism for encapsulating said exemption mechanism instance within said
5		wrapper object.
1	43.	(Currently Amended) In a system comprising at least one application, a computer
2		readable medium having stored thereon instructions which, when executed by one
3		or more processors, cause the one or more processors to implement a framework
4		which dynamically constructs a customized implementation of a service, said
5		computer readable medium comprising:
6		instructions for causing one or more processors to receive a request from the
7		application for a customized implementation of a service;
8		instructions for causing one or more processors to determine a set of zero or more
9		restrictions to be imposed upon said customized implementation;
10		instructions for causing one or more processors to dynamically construct said
11		customized implementation, said customized implementation
12		incorporating said restrictions, and comprising enforcement logic for
13		enforcing said restrictions; and
14		instructions for causing one or more processors to provide said customized
15		implementation to the application;

16		wherein said customized implementation is invocable by the application without
17		further interaction with the framework;
18		wherein the instructions for causing one or more processors to determine the set
19		of zero or more restrictions comprise:
20		instructions for causing one or more processors to access information
21		specifying one or more limitations;
22		instructions for causing one or more processors to determine permissions,
23		if any, granted to the application; and
24		instructions for causing one or more processors to reconcile said
25		limitations and said permissions to derive said restrictions.
1	44.	(Canceled)
1	45.	(Original) The computer readable medium of claim 43, wherein the system further
2		comprises a general implementation for said service, wherein said general
3		implementation is unrestricted, and wherein said customized implementation
4		further incorporates said general implementation.
1	46.	(Original) The computer readable medium of claim 45, wherein said enforcement
2		logic enforces said restrictions on said general implementation.
1	47.	(Original) The computer readable medium of claim 43, wherein said enforcement
2		logic is invoked upon initialization of said customized implementation.
1	48.	(Currently Amended) The computer readable medium of claim 47, wherein said
2		enforcement logic, when invoked:
3		receives a set of desired parameters from the application;
4		determines whether the desired parameters exceed said restrictions; and

5		in response to a determination that the desired parameters exceed said restrictions
6		preventing prevents said customized implementation from operating.
1	49.	(Currently Amended) The computer readable medium of claim 47, wherein said
2		service is an encryption/decryption service, and wherein said enforcement logic,
3		when invoked:
4		determines whether a particular exemption mechanism has been invoked; and
5		in response to a determination that the particular exemption mechanism has not
6		been invoked, preventing prevents said customized implementation from
7		operating.
1	50.	(Canceled)
1	51.	(Currently Amended) The computer readable medium of claim [[50]]43, wherein
2		said service is an encryption/decryption service, and wherein said information
3		comprises a set of one or more default encryption limitations.
1	52.	(Original) The computer readable medium of claim 51, wherein said default
2		encryption limitations are derived by merging multiple jurisdiction policies and
3		extracting therefrom the most restrictive encryption limitations.
1	53.	(Canceled)
1	54.	(Currently Amended) The computer readable medium of claim [[53]]43, wherein
2		said limitations and said permissions are reconciled to derive restrictions which
3		are least restrictive.
1	55.	(Currently Amended) The computer readable medium of claim [[53]]43, wherein
2		said service is an encryption/decryption service, and wherein said information

3		comprises a set of one or more default encryption limitations, and a set of zero or
4		more exempt encryption limitations which apply when one or more exemption
5		mechanisms are implemented.
1	56.	(Original) The computer readable medium of claim 55, wherein said default
2		encryption limitations and said exempt encryption limitations are derived by
3		merging multiple jurisdiction policies and extracting therefrom the most
4		restrictive encryption limitations.
1	57.	(Original) The computer readable medium of claim 55, wherein the instructions
2		for causing one or more processors to reconcile said limitations and said
3		permissions comprises:
4		instructions for causing one or more processors to determine whether the
5		application has been granted any permissions; and
5		instructions for causing one or more processors to derive, in response to a
7		determination that the application has not been granted any permissions,
8		said restrictions from said set of default encryption limitations.
1	58.	(Original) The computer readable medium of claim 55, wherein the instructions
2		for causing one or more processors to reconcile said limitations and said
3		permissions comprises:
4		instructions for causing one or more processors to determine whether the
5		application has been granted any permissions which require
5		implementation of a particular exemption mechanism;
7		instructions for causing one or more processors to determine, in response to a
8		determination that the application has been granted a permission which
) )		requires implementation of a particular exemption mechanism, whether
7		requires implementation of a particular exemption mechanism, whether

10		said exempt encryption limitations allow said particular exemption
11		mechanism to be implemented; and
12		instructions for causing one or more processors to derive, in response to a
13		determination that said exempt encryption limitations allow said particular
14		exemption mechanism to be implemented, said restrictions from said set
15		of exempt encryption limitations.
1	59.	(Original) The computer readable medium of claim 43, wherein the system further
2		comprises a general implementation for said service, and wherein the instructions
3		for causing one or more processors to dynamically construct said customized
4		implementation comprises:
5		instructions for causing one or more processors to instantiate the general
6		implementation to give rise to a general implementation instance;
7		instructions for causing one or more processors to instantiate a wrapper object;
8		and
9		instructions for causing one or more processors to encapsulate said general
10		implementation instance and said restrictions within said wrapper object to
11		derive said customized implementation.
1	60.	(Original) The computer readable medium of claim 59, wherein said wrapper
2		object comprises one or more invocable methods, wherein said general
3		implementation instance comprises one or more invocable methods, and wherein
4		the instructions for causing one or more processors to encapsulate comprises:
5		instructions for causing one or more processors to map one or more of the
6		invocable methods of said wrapper object to one or more of the invocable
7		methods of said general implementation instance.

1	61.	(Original) The computer readable medium of claim 60, wherein said wrapper
2		object comprises initialization logic for enforcing said restrictions on said general
3		implementation instance.
1	62.	(Original) The computer readable medium of claim 61, wherein said initialization
2		logic is invoked prior to allowing any of the invocable methods of said general
3		implementation instance to be invoked.
1	63.	(Original) The computer readable medium of claim 59, further comprising:
2		instructions for causing one or more processors to instantiate an exemption
3		mechanism to give rise to an exemption mechanism instance; and
4		instructions for causing one or more processors to encapsulate said exemption
5		mechanism instance within said wrapper object.
1	64.	(Previously Presented) The method of claim 1, wherein said framework comprises
2		Java Cryptography Extension to Java Platform.
1	65.	(Previously Presented) The framework of claim 22, wherein said framework
2		comprises Java Cryptography Extension to Java Platform.
1	66.	(Previously Presented) The computer readable medium of claim 43, wherein said
2		framework comprises Java Cryptography Extension to Java Platform.